

AHRQ evidence-based Care Transformation Support

(ACTS) Initiative

Kick-Off Agenda/Goals



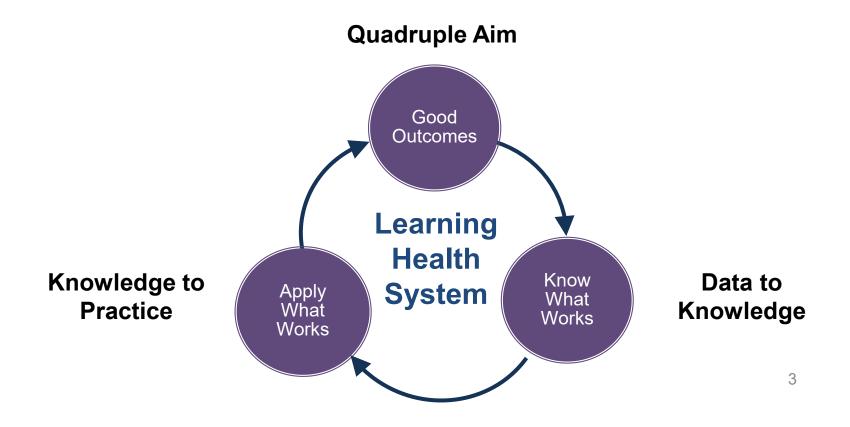
- Build understanding / excitement for project
- Begin shared understanding of care transformation landscape
 - ▶ Goals
 - Activities
 - Future state and path to get there
- Define next steps to mutual value



ACTS Supports AHRQs Priorities



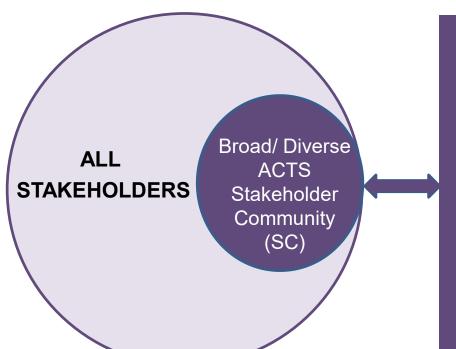
AHRQ Focus Areas: Research | Data | Practice Improvement



Who We Are



Improving Evidence-based Care/Transformation



- Patients/Advocates
- Care Delivery Organizations
- Health IT/CDS Suppliers
- Guideline Developers
- Informatics/Other Researchers
- Quality Organizations/Consultants
- Specialty Societies
- Payers
- AHRQ
- Other Gov't Agencies
- Others

ACTS Project Support Team





JERRY OSHEROFF Project Lead



CATERINA LASOME CDS SME



AMAL SAEED Technical Support



DANISYED
Technical Lead

Who We Are Specifically (n = 98* as of 1/28/19)



Care Delivery Organizations (29)		Quality Organizations/ Consultants (14)	HIT/CDS Suppliers (11)	Other Govt Agencies (14)
 Adventist Healthcare ASU Children's Hospital of Atlanta Children's Hospital of Phila. DoD George Washington University HealthPartners Inova Health System Intermountain Healthcare (3) Kaiser Permanente Kittitas Valley Healthcare Lehigh Valley Health Network 	 Mayo Clinic Peninsula Regional Medical Center Rutgers/Robert Wood Johnson Texas Health Resources Vanderbilt University Medical Center (3) Virginia Mason Med Center UCSF Medicine University of Chicago (2) University of Utah University of Washington VA (2) 	 Deloitte IPRO (2) KLAS Klesis Healthcare Mathematica MITRE NACHC NCQA RTI (5) 	 Apervita Cerner EBSCO EHRA/Allscripts Epic Health Catalyst Intersystems Meditech Microsoft Optum Wolters Kluwer 	 CDC (4) CMS (4) (DoD) HRSA (2) Idaho Dept of Health & Welfare NLM NIH ONC (VA)

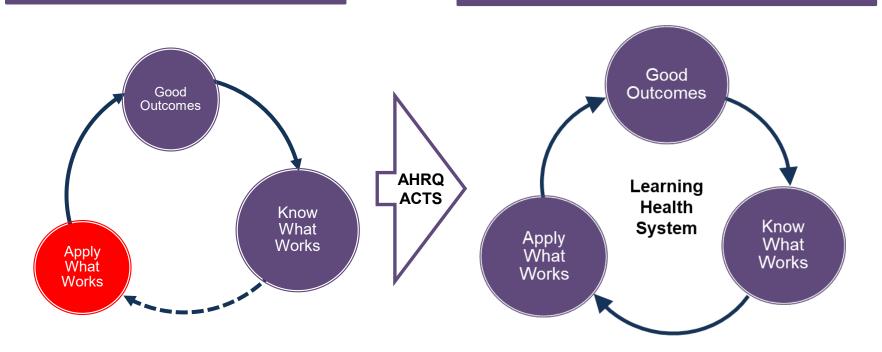
Informatics/ Researchers (4)	Specialty Societies (3)	Patient Advocates (1)	Guideline Developers	AHRQ (22)	Payers
 Duke University Idaho State University Indiana University University of Arizona (Vanderbilt University) 	• AAP • ACEP • AMA	Health-Hats	• (AAP) • (CDC)	 Center for Evidence & Practice Improvement (16) Center for Financing, Access and Cost Trends (1) Office of Management Services (1) ACTS Project Team (4) 	• (CMS)

What We're Trying to Accomplish



CURRENT STATE

FUTURE STATE / QUADRUPLE AIM



Challenges:

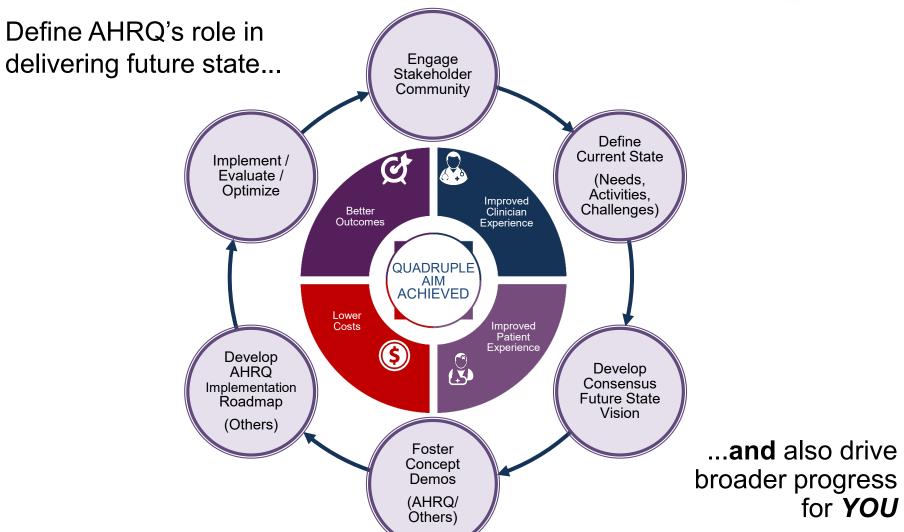
- CDS 5 Rights not right
- Poor information liquidity
- Many other problems !!!!

AHRQ's Primary Goal:

To improve access to/use of/value from AHRQ resources to help organizations achieve Quadruple Aim

What We'll Do to Get There





How We'll Work Together



Synthesize current / future states; do pilots, roadmap

- Review/comment/discuss online documents
- Regular web-based collaboration calls
- Opportunistic face-to-face meetings? (e.g., HIMSS)

Use Confluence site to underpin collaboration

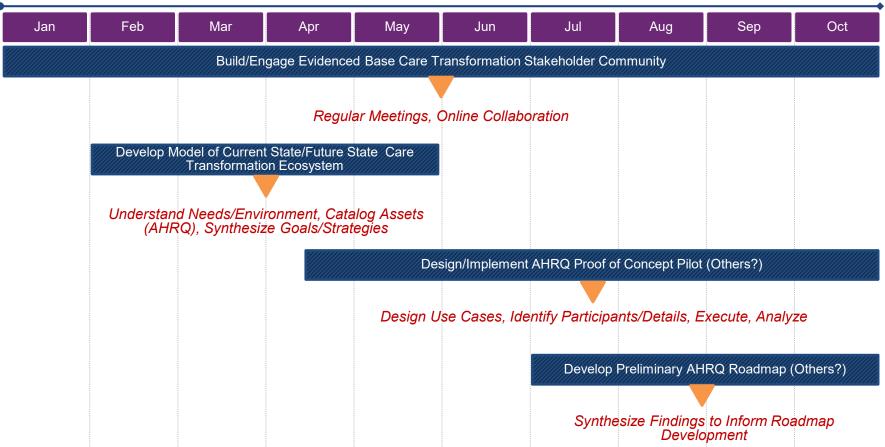
- Schedule, Agenda, Minutes, Docs, Contacts
- Listserv/Discussion Board
- Shared work/discussion on documents

When We'll Deliver



Project Timeline

2019



Check Point



- ✓ Do you understand this project/goals/output
- ✓ Do you understand your role?
- ✓ Understand participation benefits for you:
 - ► Leverage evidence resources from AHRQ/others better
 - Broaden collaborations for care transformation

What the SC is Producing



Deliverables to Improve Evidence-based Care Delivery/Transformation:

Users? Needs? (use cases)

Patients/care teams/QI teams/other

Addressing needs (current state)?

- Evidence/tools (from AHRQ/others)
- Delivery approach
- Successes/obstacles

Improvement plans?

E.g., around organizing/disseminating info to improve care/transformation

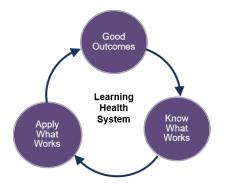
Desired future state?

For AHRQ and others



Proof of concept/roadmap

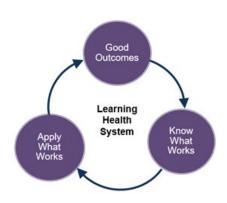
- For AHRQ
- Foster for others



"Good Outcomes" - Quadruple Aim?



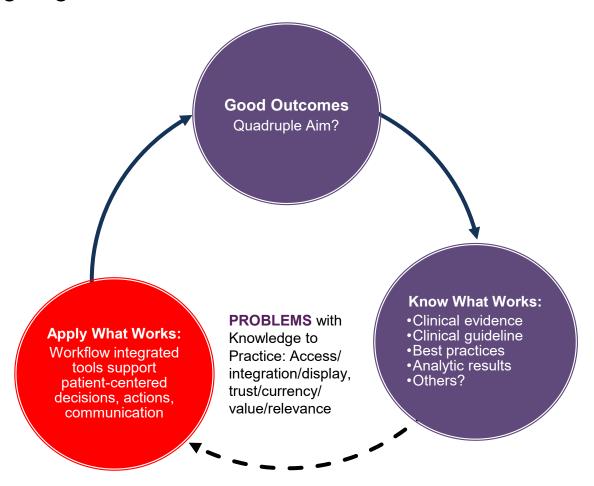
- What future state are you driving toward?
- Does Quadruple Aim cover it? (Chat response)
 - Efficient/effective care processes satisfy patients and care teams, make patients healthier, lower costs
- Anything else/different?



Care Transformation Ecosystem: Framework for Answers



What's happening now, what organizations are changing, and where they're trying to go with each circle and arrow?

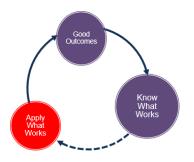


"Applying What Works" Framework





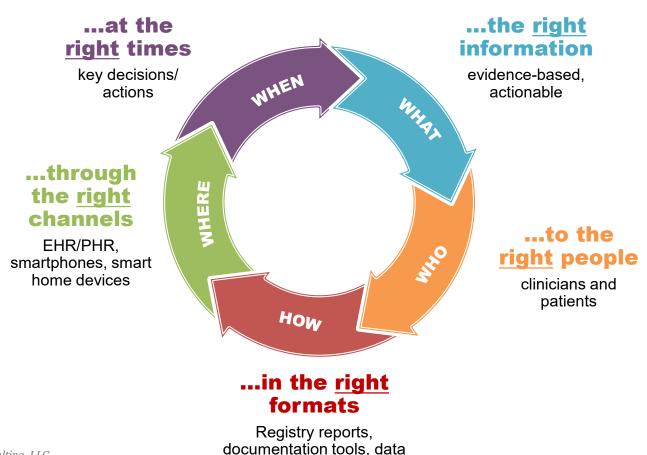
Need to synthesize / understand / document current state, activities, future state



How Can AHRQ/All Support Care Delivery Better?



"CDS 5 Rights" Framework to Improve Care Processes/Outcomes

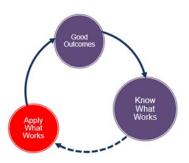


display, care plans

Complex / Diverse Consumer Needs



- Patients
 - What should I know? What should I do?
- Care Teams/Clinicians
 - What are best actions for this patient?
- QI Teams
 - How can we change care to improve outcomes?
- Provider Organization Leaders
 - Where should we focus improvement efforts?
- Other Stakeholders

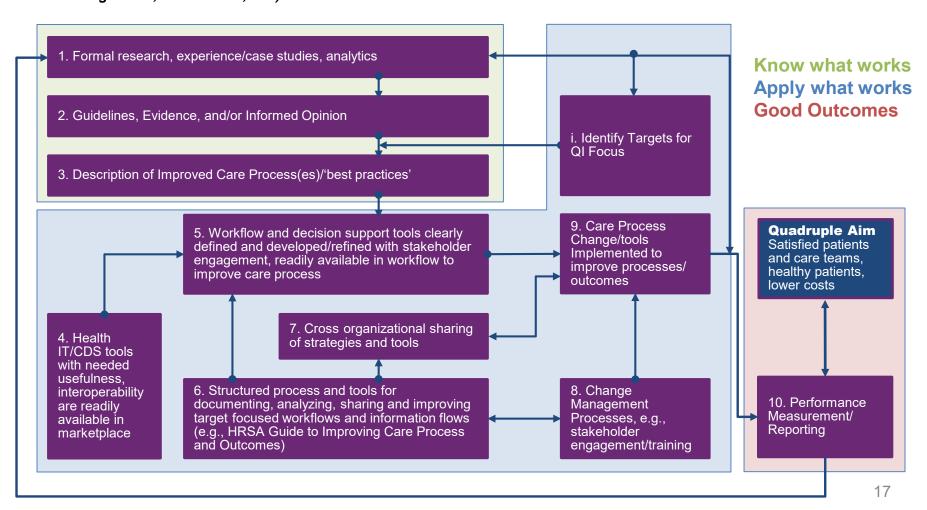


Sample Current / Future Template



Outside Care Delivery Organization (HIT vendors, clinical/informatics societies, federal agencies, other CDOs, etc.)

Within Each Care Delivery Organization (and for Steps i, 8 and 9, within each patient's daily activities)



AHRQ's "What Works" Offerings



i. Identify Target(s) for QI Focus

National Healthcare Quality and Disparities Reports, HCUP

National Quality Strategy

Medical Expenditure Panel Survey

State Quality Snapshots

HCUP web page on opioid-related data

1. Formal research, experience/case studies, analytics

EPC Output/Effective Health Care Program

Comparative Health Systems Performance Initiative

CDS Funding Opportunities

AHRQ Research Studies

Comorbidities as Predictors of Pain After Total Knee Arthroplasty

AHRQ Research Studies limited to topics "Pain" and "Opioids"

2. Guidelines, Evidence, and/or Informed Opinion

National Guideline Clearinghouse, USPSTF

Systematic Review Data Repository

Technology Assessment Program

Noninvasive Nonpharmacological Treatment for Chronic Pain: A Systematic Review

AHRQ Grants and Reports related to Opioids

Interagency Guideline on Prescribing Opioids for Pain [from Innovation Exchange]

Behavioral Health Integration Academy webpage on opioids and substance abuse

[Overview of AHRQ's Opioid Activities]

3. Description of Improved Care Process(es)

AHRQ Patient Safety Network/Patient Safety Primers

Practice-Based Research Networks

Team-based approach to managing opioids in primary care (website/guidance/tools)

4. Health IT/CDS tools with needed usefulness, interoperability readily available in marketplace

CDS Connect

CDS Connect Opioids and Pain Management Artifacts

Health Information Technology Program

USHIK

5. Workflow/decision support tools defined/developed/refined, available in workflow

CDS Connect?

CDS Connect Opioids and Pain Management Artifacts

6. Process/tools to document/analyze/share/improve target-focused workflow/info flow

Categories map to 'Sample Current/Future Template' on previous slide

- 7. Cross-organizational sharing of strategies and tools
 - ► PCCDS Learning Network
 - ► AHRQ Healthcare Innovations Exchange [not active]
 - ▶ PCCDS Learning Network Opioid Action Plan [+ potential ongoing 'Forum']
- 8. Change Management Processes, e.g., reengineering care delivery, stakeholder engagement/training
 - ▶ TeamSTEPPS
 - ► Comprehensive Unit-based Safety Program
 - ► Care Delivery System Redesign Resources
 - ▶ NCEPCR Tools and Resources for Practice Transformation and QI
 - ► Improving Primary Care Practice
 - ► Surveys on Patient Safety Culture
 - ► Hospital and Health System Resources
 - ▶ Long Term Care Resources
 - ▶ Nursing Home Safety Resources
 - ► [Behavioral Health] Integration Academy
 - ► Patient Safety Organization Program
 - ► [CV Health] EvidenceNOW
 - ▶ PCMH Resource Center
 - ► Tools to Improve Diagnostic Safety
 - ► Healthcare -Associated Infections Program
 - ► Reducing Hospital-Acquired Conditions
 - ► Continuing Education Activities
 - ► Resources for Evidence-based Decision Making
- 9. Care Process Change/tools Implemented
 - ► Health Literacy
 - ▶ Engaging Patients and Families in Care
- 10. Performance Measurement/Reporting
 - ▶ Quality Measure Tools and Resources
 - ▶ Consumer Assessment of Healthcare Providers and Systems
 - ▶ National Quality Measure Clearinghouse, Primary Care Measures Resources
 - ▶ TalkingQuality
 - ▶ Pediatric Quality Measures Program
 - ▶ Patient-reported Outcomes
 - ► AHRQ Quality Indicators
 - ▶ Pain Items in CAHPS

Not Yet Classified

- ► Registry of Patient Registries
- Social determinants of health data
- ▶ AHRQ's health services and markets databases



Improve Dissemination / Implementation



Research

Evidence Synthesis Translation & Communication

Implementation

Clinical Practice

AHRQ Websites, Data, Tools & Resources Better Dissemination / Implementation

AHRQ Silos of Knowledge

- AHRQ Research Publications, Reports (Grants)
- USPSTF Task Force Recommendations (*USPSTF*)
- EPC Evidence Practice Centers Reports(EffectiveHealthcare)
- Systematic Reviews Database (SRDR+)
- Quidelines & Quality Measures (NGC/NQMC)
- CDS computable artifacts repository/tools (CDS Connect)
- Patient-Centered CDS Learning Network (PCCDS-LN)
- Registry of Patient Registries database (RoPR)
- Primary Care/Behavioral Health (Integration Academy)
- Primary Care Practice-Based Research Networks (PBRN)
- Patient Centered Medical Homes Resources (PCMH)
- Patient Safety Events Reports/Resources (PSnet/PSOs)
- National Healthcare Quality & Disparities Reports (QDR)
- US Health Information Knowledgebase (USHIK)
- Data Files, Surveys, & Reports

(MEPS, HCUP, CAHPS, SOPS ...)

- Patient Centered Outcomes Research Studies (PCOR)
- Patient Reported Outcomes data initiatives (PRO)
- Social Determinants of Health data initiatives (SDH)
- Improving Heart Health (Evidence Now)
- Teamwork Tools to Optimize Patient Outcomes (TeamSTEPPS)
- Comparative Health Systems Performance (CHSP)
- Comprehensive Unit-based Safety Program (CUSP)
- Others (Health IT, Quality Indicators, Innovations Exchange, etc.

Provide an AHRQ **Evidence Marketplace**

- Open Source
- Trustworthiness
- Synthesized Evidence
- Predictive Data Analyses
- Standards/Governance
- Curate/Harmonize/ Manage Content

Resources & Data Silos

- Integration Engine
 - Common Terminology/ **Taxonomy**

Mash Up Disparate Evidence Al / ML / NLP

Improved Delivery Channe

- -Smart on FHIR via EHRs / PHRs
- Open Infobuttons
- EBMonFHIR
- CDSS /Dashboards
- Search / Browse
- Data Visualization
- Open APIs
- Webservices
- Mobile
- Others

Quad Aim CDS 5 Rights

Achieve

- Care Teams
- Patients



- Guideline/CDS developers
- Policymakers
- Researchers
- Others



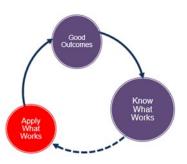
Other Resources/Silos (Public & .com)

Sampling: CDC, NIH/NLM (PUBMED, MEDLINEPlus, Clinical Trials). CMS, VHA, KP, Mayo, UpToDate, DynaMedPlus, Cochrane, Micromedex, TRIP, CINAHL, MDCalc, JAMAevidence, ClinicalKey, Embase, ACP Journal Club, Visualdx, ExploritEBM, Many Others

Specific / Pressing AHRQ Needs



- Define "AHRQ evidence marketplace" to achieve CDS 5 Rights/Quad Aim and satisfy use cases
 - AHRQ evidence supports insight to action
 - Manage better: integrate silos; common taxonomy
 - Deliver better: browse, search, HIT integrate (CDS/FHIR/ open API, data visualization, dashboards, infobutton, mobile, AI, etc.)
 - How to integrate with other public/.com marketplaces?
- AHRQ short term solutions/roadmap to align with future state



What People Are Doing to "Apply What Works"



Need overarching framework/architecture/model:

- How does evidence get into care delivery/transformation workflow?
- Incorporate what people are currently doing/planning

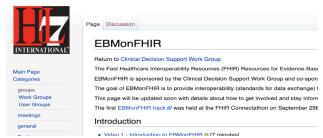






Many, many others...





Mobilizing Computable Biomedical Knowledge

Welcome to the interim home for the MCBK community.

We are a diverse group of stakeholders - from biomedical researchers and librarians, to clinicians, health informatics software vendors and many others - organizing around the goal of transforming health by mobilizing Computable Biomedical Knowledge.

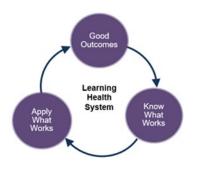
What is Computable Biomedical Knowledge?

Consensus Future State



- Satisfy care delivery/transformation needs
 - Leverage AHRQ and non-AHRQ assets
- To make this happen:
 - Understand actors/needs/key use cases
 - Map needs to AHRQ/other assets and delivery channels
 - Incorporate resources into health IT
 - Integrate content/delivery into workflow

What does this look like?



Check Point



- ✓ Understand deliverables?
- √ Feedback/input on framework content/structure?
- ✓ High priority use cases/targets?
 - Opioids, preventive care, HTN/DM, other?
- ✓ Pressing input on AHRQ info delivery?

Next Steps



Stakeholder Community	Project Team		
Meeting schedule	 Establish regular meetings 		
Every other week?	HIMSS meeting Doodle Poll		
Same time slot?	Listserv launch		
Meet at HIMSS?	Continue building SC members		
 How do AHRQ assets support your work? How can they do better? 	Confluence collaboration site		
Discuss via Listserv	 Agenda, goals for next meeting 		
Other key stakeholders?			

Check Point / Closing Discussion



- ✓ Chat your thoughts on:
 - OK to meet every other week? Other suggestion?
 - Meet at HIMSS?
- ✓ Questions/concerns/suggestions about SC collaborations?
 - We'll send you instructions for use of the listserve
- ✓ Other comments/suggestions/discussion?